

ABSTRACT

TITLE- A cross sectional study to assess the family burden and child psychopathology in children and adolescents with type 1 diabetes mellitus.

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Aims and Objectives:

To estimate extent of family burden in children and adolescents with type 1 diabetes mellitus , study predictive factors of increased family burden , estimate prevalence of psychopathology and assess difference in family burden with or without psychiatric disorders

Materials and methods:

The study was a cross – sectional observational study, conducted on 63 consecutive children with type 1 diabetes mellitus and their caregivers. The primary outcome, family burden, was assessed with Family Burden Interview Schedule and then the socio demographic and clinical assessment was done with clinical research form and Child Behaviour Check-list (CBCL) to assess psychopathology. Bivariate analysis was done by Chi square and student's t test for categorical and continuous variable

respectively for the high and low burden groups. Univariate and logistic regression was done for significant variables.

Results:

High burden was seen in 54% of the respondents. The prevalence of internalising and externalising disorders was 46% and 11 % respectively. Bivariate analysis revealed the following parameters as significant - paternal psychiatric illness, age at diagnosis, socio-economic status, monthly family income, and internalizing disorders. Finally, in multivariate regression, internalizing disorders and paternal psychiatric illness explained 27 % of variance in the categorization of high and low family burden.